GE
Lighting Solutions

GEH-3767F
INSTRUCTIONS

Wallighter 250/400 Luminaire

READ THOROUGHLY BEFORE INSTALL-

WARNING

Risk of electric shock
- Turn power off before servicing – see instructions

WARNING

Risk of fire
- Use supply wire specified on nameplate

MOST DWELLINGS BUILT BEFORE 1985 HAVE SUPPLY WIRE RATED 60°C. CONSULT A QUALIFIED ELECTRICIAN BEFORE INSTALLING.

GENERAL

This luminaire is designed for outdoor lighting service, and should not be used in areas of limited ventilation, or in high ambient temperature enclosures. Best results will be obtained if installed and maintained according to the following recommendations.

This luminaire is designed for vertical-surface mounting to illuminate underpasses or the ground around buildings, or it can be mounted horizontally facing upward to light signs or walls. It is for use only in non-hazardous locations, where submersion by water is impossible, and should not be mounted within easy reach of the general public. A special vandal shield is available for vertical-mounted units up to 250 watts.

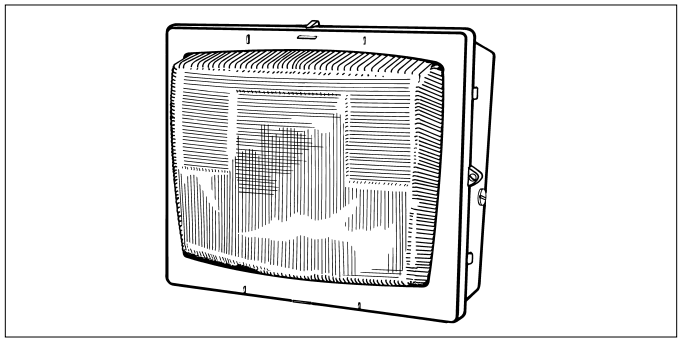
UNPACKING

This luminaire has been properly packed so that no part should have been damaged during transit. Inspect to confirm.

INSTALLATION

CAUTION

Unit will fall if not installed properly
- Follow installation instructions



To install, follow the steps below:

1. Remove the refractor/door assembly from carton.
2. Remove the reflector by loosening the center screw and lifting up on reflector, thus exposing the polarized socket connector.
3. Disconnect the polarized socket connector.
4. Place refractor/door assembly and reflector back in the carton to prevent damage.

The unit is now ready for mounting and wiring.

FLAT SURFACE MOUNTING

Four knock outs – 3 mounting holes and 1 wiring entrance hole in triangular array – are provided through the rear wall. (See Fig. 1.) (See Fig. 2 for additional dimensions.)

Note: Back of luminaire must be caulked with a generic non-hardening sealer across the top and down both sides.

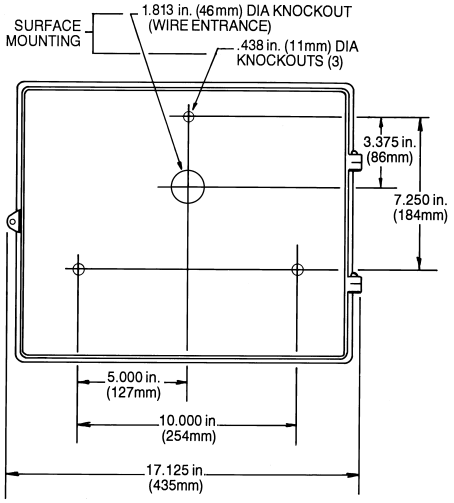


Fig. 1 - Rear view showing wall mounting dimensions

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to GE Lighting Solutions.

PIPE MOUNTING (OPTIONAL)

Unit mounts horizontally on 1 1/4" or 2" IPS pipe by means of pipe clamp screws. (see Fig. 2). To install, loosen the pipe clamp screws and slip unit on pipe until it hits the "stop" inside.

Tighten hardware hand-tight and level unit. When the unit is level, secure all hardware.

Drain holes are provided to prevent collection of moisture from condensation.

For proper charcoal filter function, seal around incoming leads or cable with a suitable fitting or non-hardening sealer.

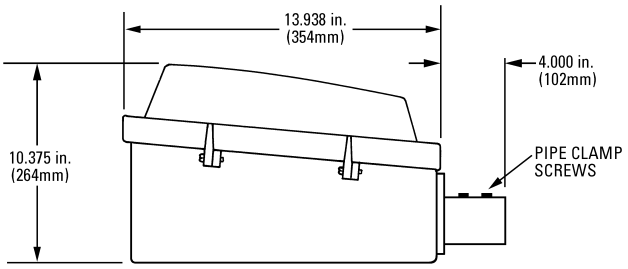


Fig. 2 - Side view of pipe mounted luminaire.

WIRING

The service leads should have suitable temperature rating (See nameplate) and should extend into the luminaire approximately eight inches. Route service leads through lead clips to insure against heat damage, and position all luminaire leads so as to prevent contact with reflector.

Make all electrical connections in accordance with the National Electrical Code and any applicable local code requirements.

Verify that supply voltage is correct by comparing it to nameplate.

If unit is designated as multivolt or multiwatt, follow specific instruction.

Do not remove insulated connectors from wires not needed for required voltage connection.

Terminals are readily accessible on the terminal board and will accept No. 14 through No. 6 wire. Attach the service leads to the terminal board as shown on the wiring diagram.

IF SINGLE VOLTAGE:

All single voltage ballasts are pre-wired such that user need only connect the supply conductors.

IF MULTIVOLT: (120/208/240/277 volts)

Connect the ballast lead with the insulated terminal to the desired voltage terminal as indicated on the ballast terminal nameplate.

IF MULTIWATT:

Multiwatt ballasts are available in various combinations of wattage. See wiring instructions on wiring tag inside the luminaire.

FINAL ASSEMBLY

To assemble luminaire, follow the steps below:

1. Engage the polarized socket connector
2. Re-install reflector.
3. Install lamp.
4. Align door with hinges and close. Tighten the one captive screw.

LAMP INSTALLATION

CAUTION

Risk of burn

- Allow lamp/fixture to cool before handling

WARNING

Risk of burn

- Do not touch operating luminaire

Use only lamps specified on nameplate. Observe lamp manufacturer's recommendations and restrictions on lamp operation, particularly ballast type, burning position, etc.

Lamp Tightness – Mogul Base Lamp: The lamp should be securely inserted to the NEMA-EEI specified torque of 35 inch-pounds, which is best achieved by very firm tightening sufficient to fully depress and load the center contact of the socket.

Lamp Tightness – Medium Base Lamp: The lamp should be tightened to a light firmness sufficient to depress the center contact.

MAINTENANCE

It will occasionally be necessary to clean the outside of the refractor to maintain light levels. Frequency of cleaning will depend on the ambient dirt levels and the minimum light level acceptable to the user. The refractor should be washed in a solution of warm water and any mild, nonabrasive household detergent, rinsed with clean water and wiped dry. Should the optical assembly become dirty on the inside, wipe the reflector and clean the refractor in the above manner.

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